

Kolev, Genadi

Locomotive Engine Development in Thirty Years  
Reported, 7 pp.

ZHELEZOPUTEN TRANSPORT, Sofia, Nos 7, 8, 9,  
1974, pp 59-63.

JPRS 63412

Dec 74

Manchev, Dimitur

Rolling Stock Capacity of Bulgarian Railways  
Reviewed, 7 pp.

ZHELEZOPUTEN TRANSPORT, Sofia, Nos 7, 8, 9,  
1974, pp 64-67.  
JPRS 63412

Dec 74

Gotsev, Yordan.

Technical State and Maintenance of Rail Tracks  
Viewed, 10 pp.

ZHELEZOPUTEN TRANSPORT, Sofia, Nos 7, 8, 9,  
1974, pp 68-74.

JPRS 63412

Dec 74

Georgiev, Tsvetan

Development of Automation, Cybernetics in  
Railway Transportation Reviewed, 6 pp.  
ZHELEZOPUTEN TRANSPORT, Sofia, Nos. 7, 8, 9,  
1974, pp 75-78.  
JPRS 63412

Dec 74

Kunchev, Koyu

Training of Railway Management and Executive  
Cadres Outlined, 9 pp.

ZHELEZOPUTEN TRANSPORT, Sofia, Nos 7, 8, 9,  
1974, pp 84-88.

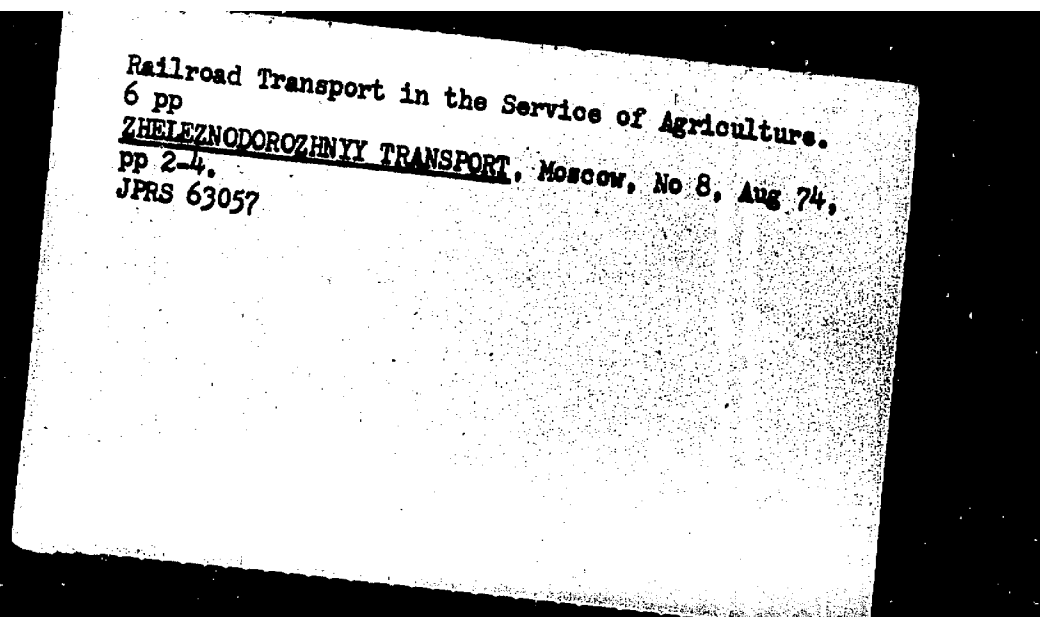
JPRS 63412

Dec 74

Mishev, Zlatan

Development of Refrigerator Cars in Railway  
Transport Described, 8 pp.  
ZHELEZOPUTEN TRANSPORT, Sofia, Nos 7, 8, 9,  
1974, pp 91-95.  
JPRS 63412

Dec 74



RUSSIAN

C80 6143/0987A

22 December 1974

November

Belen'kiy, N.P.

//Zheleznodorozhnyy Transport//

--/10/1974, V----, No 210, pp 0039-0046

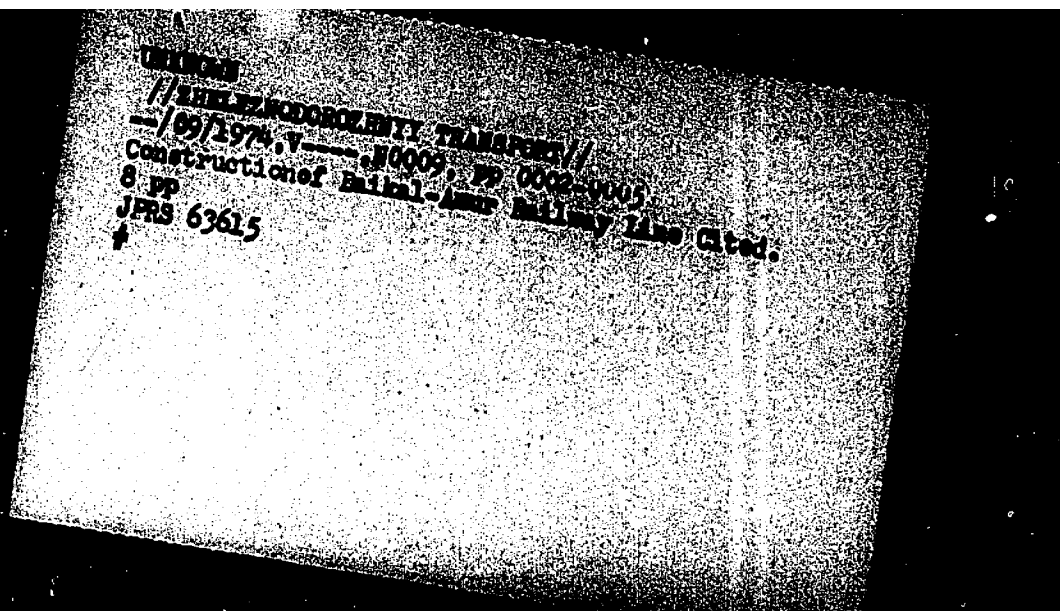
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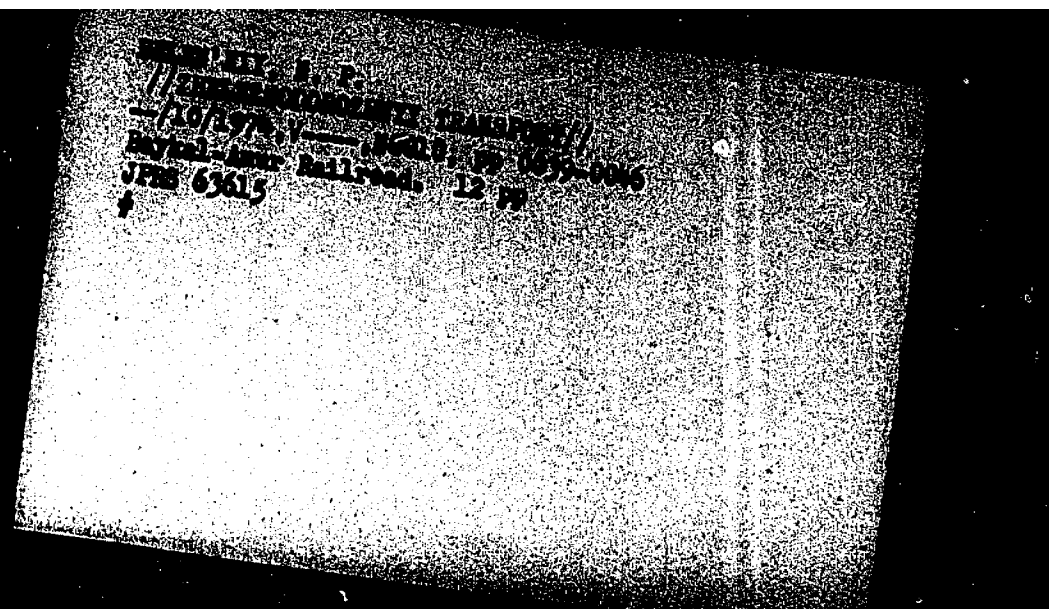
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SHKUL'TIN, I. V.  
//ZHELEZNODOROZHNIY TRANSPORT//  
--/11/1974, V----, N----, pp 0060-0064  
Development of Information for Railway Transport  
Automated Control Systems 9 pp  
JPRS 63845  
+

Rachev, Kal'o

New National Transport Complex Explained, 10 pp.  
ZHELEZOPUTEN TRANSPORT, Sofia, No 2, 1974,  
pp 1-6.  
JPRS 61937

Jul 74

Installation of Gas Service Facilities in Rural  
Areas, by P. Zarovnyy, 5 pp.  
RUSSIAN, per, Zhilishchnoye i Kommunal'noye  
Khozyaystvo, Moscow, No 3, 1973, pp 37-38.  
JPRS 59081

May 73

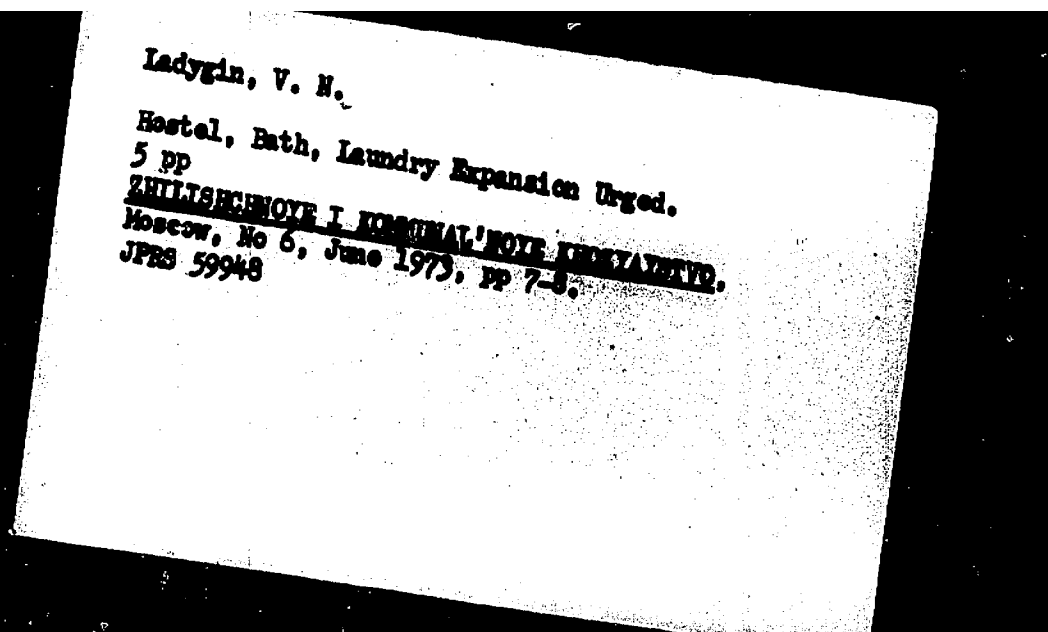
Chestnyy, M. G.

First Results of Annual Bonus Initiation  
Analyzed, 6 pp.

ZHILISHCHENOYE I KOMMUNAL'NOYE KHOZYAYSTVO.  
Moscow, No 5, 1973, pp 10-11.

JPRS 59508

Jul 73



Ladygin, V. N.

Hostel, Bath, Laundry Expansion Urged.

5 pp

ZHILISHCHNOYE I KONSUMAL'NOYE KHOZAYSTVO.

Moscow, No 6, June 1973, pp 7-8.

JPRS 59948



Grigorov, N. M.

New Water Purification Facility in Kalinin Is  
Discussed, 6 pp.

ZHILISHCHNOYE I KOMMUNAL'NOYE KHOZYAYSTVO,  
Moscow, No 11, 1973, pp 7-9.

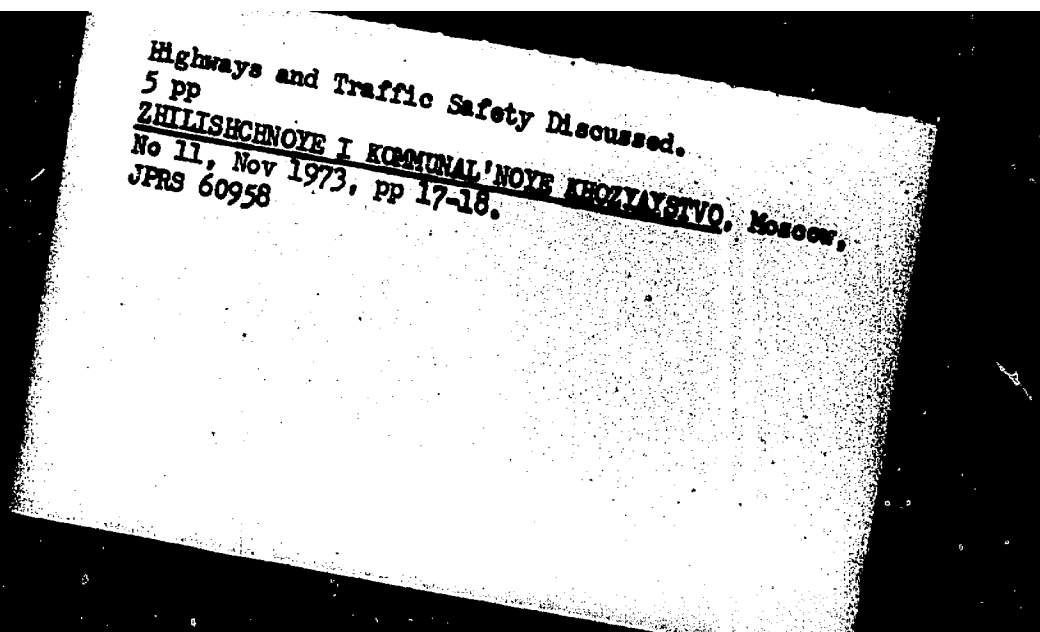
JPRS 61286

Mar 74

Kryukov, V. I.

Advantages of Shchekino System Discussed.  
5 pp

ZHILISHCHENOYE I KOMMUNAL'NOYE KHOSYAYSTVO, Moscow,  
No 6, 1973, pp 9-11.  
JPRS 60273



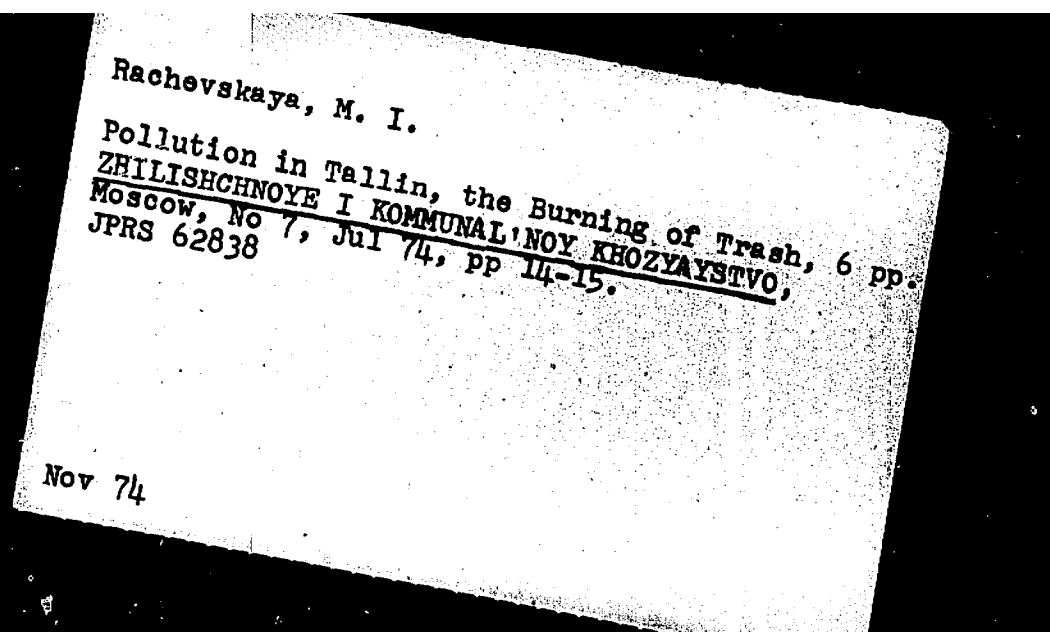
Tikhonov, V. V.

Experience in the Operation of Water Collectors  
for Underground Water and Ways for Intensifying  
Them, 5 pp.

ZHILISHCHNOYE I KOMMUNAL'NOYE KHOZYAYSTVO,  
Moscow, No 11, 1973, pp 36-37.

JPRS 61286

Mar 74



City Automobile Parking Variants Compared, by  
G. Golubev, 6 pp.  
RUSSIAN, per, Zhilishohnove Stroitel'stvo, Moscow,  
No 1, 1973, pp 8-12.  
JPRS 58753

Apr 73

Method of Analyzing Unevenness in Building Housing  
Proposed, by V. Bazhenov, 5 pp.  
RUSSIAN, per, Zhiliishchnoye Stroitel'stvo, Moscow,  
No 2, 1973. pp 15-16.  
JPRS 58705

Apr 73

Chuverin, I. I.

Urban Transport Services in Large Cities Discussed.

6 pp

ZHILISHCHENOYE STROITEL'STVO. Moscow, No 6, June

1973, pp 9-10.

JPRS 60154



Bolonenkov, G. V.

Municipal Transport and Planning of Residential  
Areas.

6 pp

ZHILISHCHNOYE STROITEL'STVO. Moscow, No 6, June  
1973, pp 10-12.

JPRS 60154

Borovik, Ye. N.

Underground Garages in Cities Discussed.

5 pp

ZHILISHCHNOYE STROITEL'STVO. Moscow, No 6, June

1973, pp 12-14.

JPRS 60154

Badanov, Yu. S.

Reserves for Improving Labor Productivity in  
Construction Described.

7 pp

~~ZHILISHCHENIYE STROITEL'STVO~~, Moscow, No 6, 1973.

PP 15-17.

JPRS 60273

Ustimenko, V. V.  
CEMA Countries Collaborate in Construction.  
7 pp  
ZHILISHCHENOYE STROITEL'STVO. Moscow, No 1, Jan  
1974. pp 22-24.  
JPRS 61411

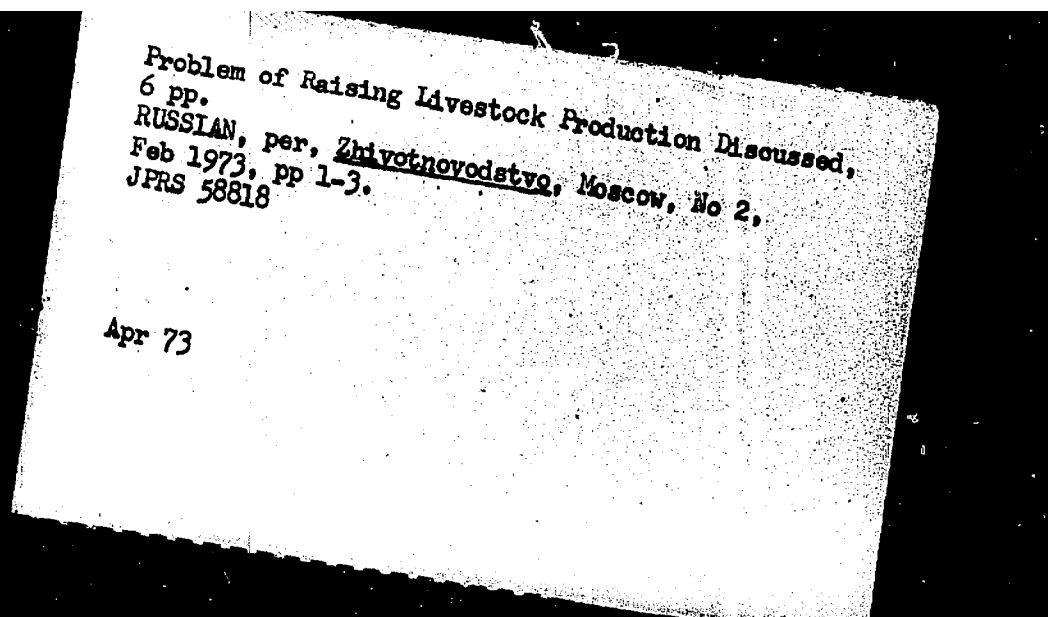
I. I. Sokolovskaya

Timing the optimal moment for livestock insemination  
during heat by electrometric method.  
ZHIVTONOVODSTVO, Vol 32, No 11, 1970, pp 71-74.  
NTC 73-10403-03E

apr 73

Farm Minister Views 1973 Livestock Raising,  
by Vulkan Shopov, 5 pp.  
BULGARIAN, per, Zhivotnovudstvo, Sofia,  
No 1, Jan 73, pp 1-3.  
JPRS 58822

Apr 73



Wage System for Workers in Animal Husbandry Out-  
lined, by R. M. Bogdan-Elakitsky, 10 pp.  
RUSSIAN, per, Zhivotovedstvo, Moscow, No 2, Feb  
1973, pp 10-15.  
JPRS 58870

May 73

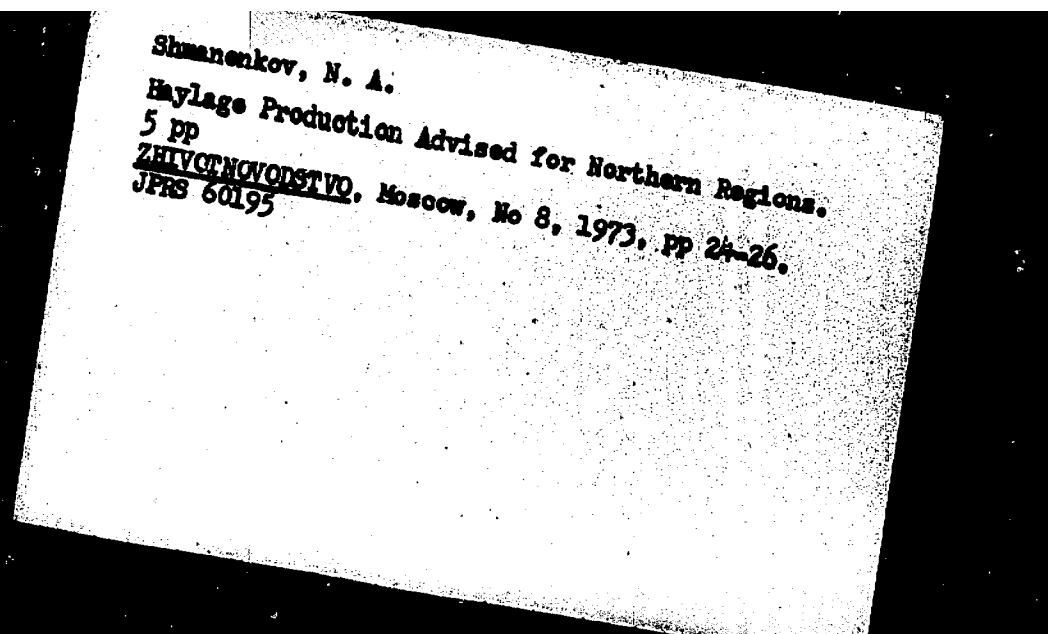


Ways to Improve Fodder Production Outlined,  
by M.P. Kalganov, 7 pp.  
RUSSIAN, per, Zhivotnovodstvo, Moscow, No 4, Apr  
1973, pp 1-4.  
JPRS 59164

June 73

'Link' System of Organizing Labor in Animal  
Husbandry Described, by V. S. Myeserov, 7 pp.  
RUSSIAN, per, Zhivotnovodstvo, Moscow, No 4, Apr  
1973, pp 10-14.  
JPRS 59228

June 73



Shmanenkov, N. A.

Haylage Production Advised for Northern Regions.

5 pp

ZHIVOTNOVODSTVO. Moscow, No 8, 1973, pp 24-26.

JPRS 60195

Marenkin, F. S.

Pastures Irrigated With Waste Water.

6 pp

ZHIVOTHOVOOSTVO, Moscow, No 8, 1973. PP 37-39.

JPRS 60195

Nikolayev, B. I.

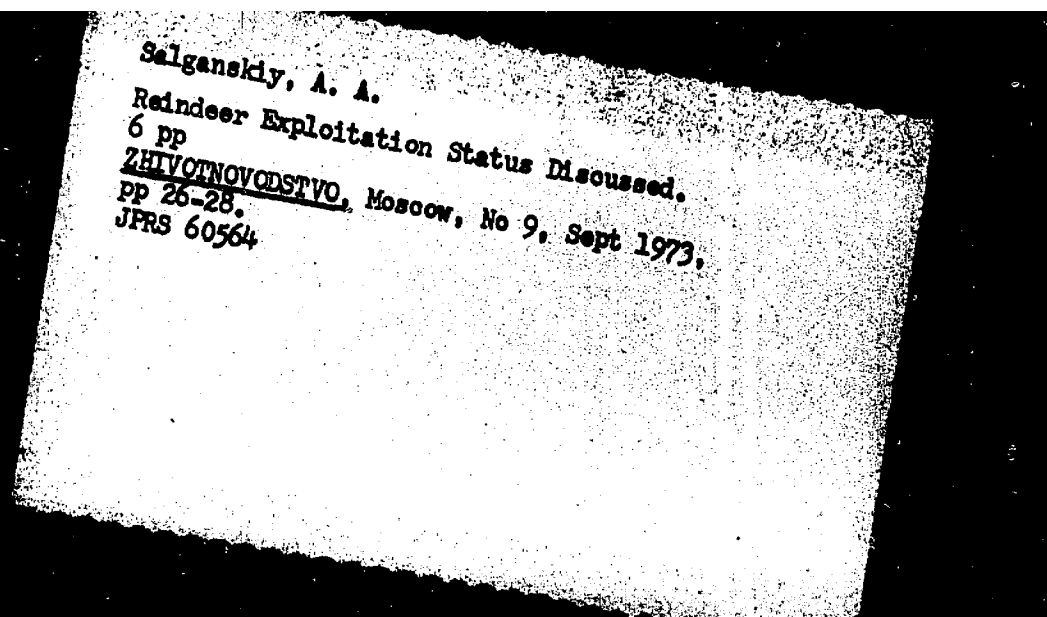
Buryat Animal Husbandry Upsurge Described.

7 pp

ZHIVOTNOVOSTVO, Moscow, No 9, Sept 1973, pp 8-11.

JPRS 60564

SECRET  
Classification of the Control of Industrial-Type Animal-  
Husbandry Enterprises" by A. M. Rustayev, E. Ye.  
Arzumanyan  
Moscow, Zhivotnovodstvo, No 9, 1973, pp 15-17  
Special type B  
Do not publish  
Single spaced draft plus one.



Salganskiy, A. A.

Reindeer Exploitation Status Discussed.

6 pp

ZHIVOTNOVODSTVO, Moscow, No 9, Sept 1973,

PP 26-28.

JPRS 60564

Oniscovets, V. K.

Ways of Solving Fodder Problem Indicated.  
11 pp

ZHIVOTNOVODSTVO. Moscow, No 5, May 1974, pp 1-6.  
JPRS 62236



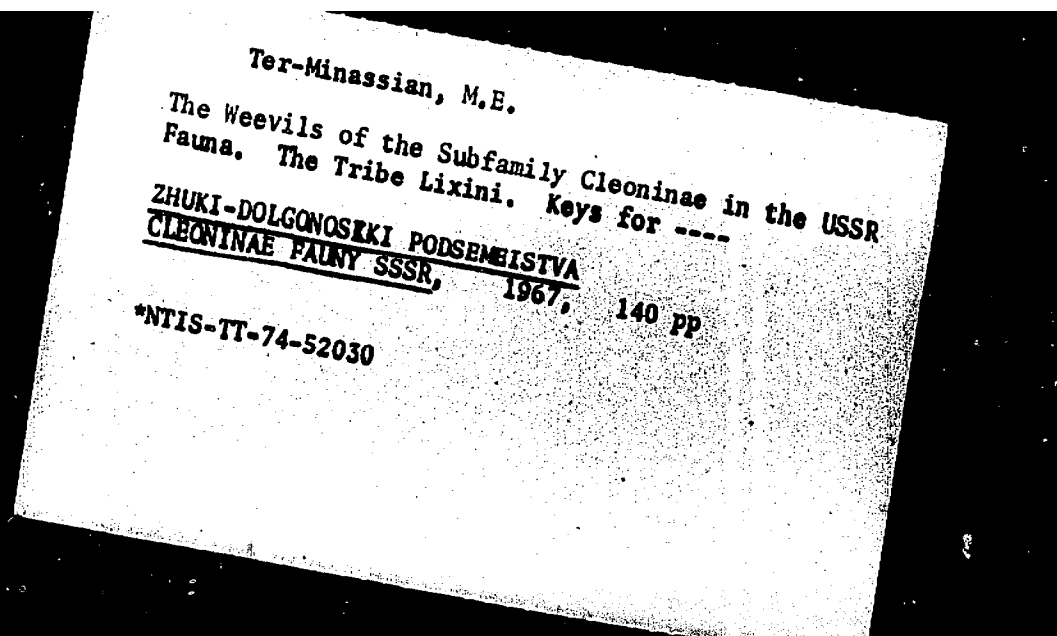
Kem'yanishin, G. T.

Organizational Experiment in Livestock Feeding.

5 pp

ZHIVOTNOVODSTVO, Moscow, No 5, May 74, pp 54-56.

JPRS 62465



ELECTRICAL RESPONSES OF THE CAT CEREBELLUM CO  
RTEX TO SOUND STIMULI

MORDZ, V. M.      LANGUAGE-UK      COUNTRY-UR

FIZIOLOG. ZHURNAL AKAD. NAUK UKRAYIN RSR, 19  
72, VOL. XVIII, 12-17

FSTC-HT-23-0329-74

P.O. Number: SAC-45162 25 /7/74 9720/1981  
Title: Über die verwendung der barbitursäure für die  
photometrische bestimmung von cyanid und rhodanid  
Authors: E. Assus und H. Garschagen  
Source: Z. anal chem. Vol. 138:414-422, 1953  
Language: German  
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GALLAI, Z. A.  
The Use of Uranyl-N, N-Diacetic Acid for the  
Amperometric Determination of Beryllium  
ZHURNAL ANALITICHESKOI KHIMII, vol. 26, pp. 2340-  
2343, 1971  
NTC 73-10219-07B

March 73

*AEC* 18-May-73  
Uncl (BNL-tr--534) Determination of the loss of gold,  
platinum, ruthenium, and iridium following cupellation.  
GEORGIEV, G.T.; APOSTOLOV, D. Translated by S.J.  
Amoretty (Brookhaven National Lab., Upton, N.Y.) from  
Zh. Anal. Khim.; 27: No. 3, 506-511(1972). 16p. Dep.  
NTIS \$3.00.

07 chemistry (analytical); translations  
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NTC 73-13464-07B

Agency: RDP-91-00929R000100200045-0  
P.O.No. 31-3773-75

1 December 74

Title: Beitrag zur Anwendung der Gelf-Chromatographie in  
der Rastendünnschichtanalyse, insbesondere am Beispiel der  
Bestimmung von Triacetylen und Tetracetylen.

Author: S.A. Grotzsch, J. Winkler, E. Grotzsch

Source: J. Anal. Chem., 207, 1973, No. 3

Language: German

(C)

74173-10

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NIKOLAYEV, G. I.

//ZHURNAL ANALITICHESKOY KHIMII//

--/--/1978, V0028, N-----,

Evaluation of the sensitivity of atomic absorption  
analysis of refractory metals

PP 464-468, NTC 74-11462-07B44



Kolodub, F.A.

8355/0724  
12 Oct 1973

*Comp  
Spec  
12 pp*

Peculiarities of Nitrogen Metabolism in the  
Rat Brain under the Effect of Electromagnetic  
Impulse Field of Low Frequency

ZHURNAL BIOKHMICHNIY No 3, 1972 pp 307-311  
*Vol 44*

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8355/0724

12 Oct 1973

1. Mishchenko, L.I.  
Change in Metabolism of Nitrogenous Substances  
in Animal Nerve Tissue Under Effect of Electromagnetic  
Field of Superhigh Frequency

2. Kolodub, F.A.  
Peculiarities of Carbohydrate-Energy Metabolism in  
Rap Brain Under the Effect of Impulse Electromagnetic  
field of Low Frequency

ZHURNAL BIOKHM No 4, 1972 — *Vol 44*

1. pp 483-486 — *9 pp*

2. pp 492-496 — *10 pp*

Agency: Army/Reusdon 244/2253  
P.O. #: MIPR No. A3168Z-48-7187 30 Sept. 74  
Title: Investigation of Aberrations of Optical Systems  
on the Basis of Ikonal Theory  
Author: G. Rabinovich  
Source: Zhurnal Eksperimentalnoi i Teoreticheskoi  
Fiziki, 16, No. 2, 1946 pp 161-170  
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← ISSLEDVANIYE ABERRATSIY OPTICHESKIKH SISTEM  
NA OSNOVE TEORII EYKONALA

Krivoglaz, M.A.

Theory of Diffusion Interstitial Atoms in  
Ordered Alloys

ZH. EKSP. TEOR. FIZ. Vol 24, 1953, pp 673-680

\*NTIS-TT-74-53081

A. A. Sokolov

Quantum theory of the glowing electron, 3. 29 pp.  
ZH. EKSPERIM. TEOR. FIZ. Vol 25, No 6 (12), 1953, 28 p.  
NASA TT F 14,495

apr 73

Gordon, Ye. B. .

*Kinetics of a pulsed chemical CO laser with photo-initiation on the carbon bisulphide oxidation reaction.*

ZHURNAL EKSPERIMENTAL'NOY I TEORETICHESKOY FIZIKI,

Vol 63, No 4, 1972, pp 1159-1172

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may 73

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KOY FIZIKI, VOL. 63, NO. 8, 1972,  
pp. 540-548

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#1

H574-23-0204

Soviet Physics, Journal of Experimental and  
Theoretical Physics,  
ZHURNAL EKSPERIMENTAL'NOI TEORETICHESKOI FIZI  
KI, Vol. 36, No. 3, pp.387-590, March 1973.

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Authors: N.G. Basov, E.M. Bezenov, E.P. Markin, E.N. Oraevskii, and H.V. Pankratov  
Source: Zhurnal eksperimental'noi i teoreticheskoi fiziki, v. 64, 1973, p. 485-497  
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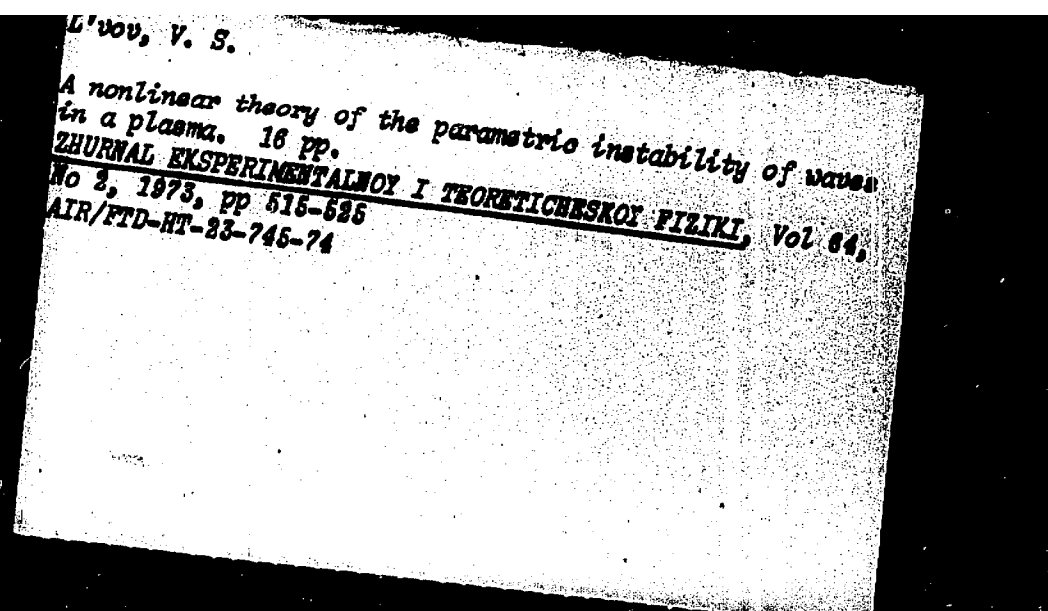
Vitlina, R. Z.

Resonance charge-exchanging in dense gases. 8 pp.

ZHURNAL EKSPERIMENTALNOY I TEORETICHESKOY FIZIKI, Vol. 64,

No 2, 1973, pp 510-514

AIR/FTD-HT-23-744-74



Borman, V. D.

*Kinetic phenomena in a Knudsen gas with rotational degrees of freedom. 14 pp.*

*ZHURNAL EKSPERIMENTALNOY I TEORETICHESKOY FIZIKI, Vol 64,*

*No 2, 1973, pp 536-535*

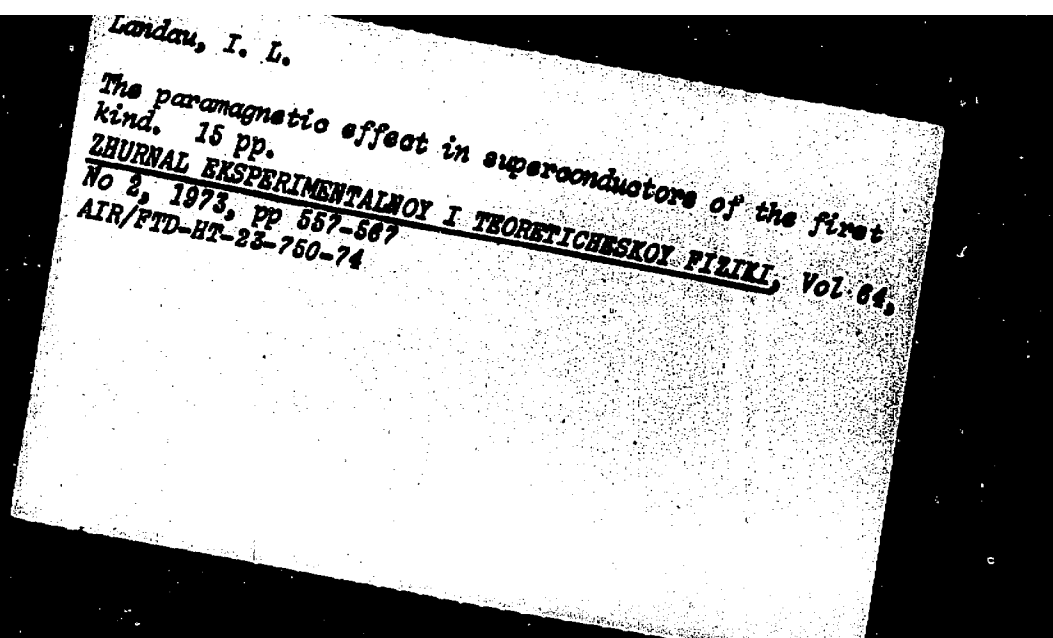
*AIR/FTD-HT-23-746-74*

Rode, V. Ye..

Susceptibility of paramagnetic copper-nickel alloys.  
7 pp

ZHURNAL EKSPERIMENTALNOY I TEORETICHESKOY FIZIKI, Vol 64,  
No 2, 1973, pp 548-552

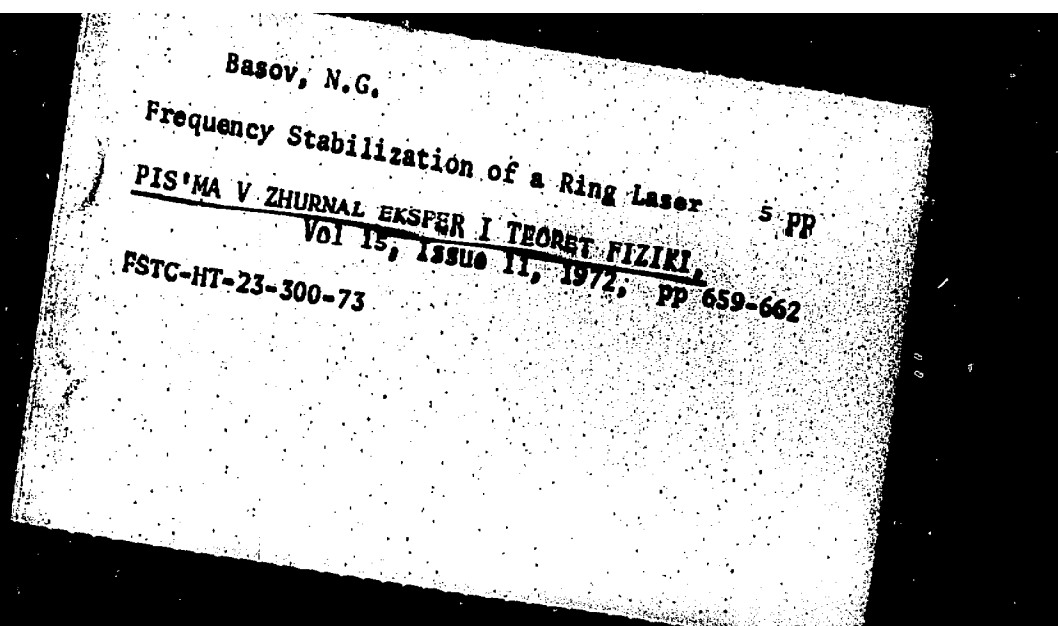
AIR/FTD-HT-83-748-74



RUPASOV, A. A.  
//ZHURNAL EKSPERIMENTAL'NOY I TEORETICHESKOY  
FIZIKI//  
--/--/1973, V0005, N0005,  
Investigation of laser radiation reflection by a  
dense plasma, 11 pp.  
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//ZHURNAL EKSPERIMENTAL'NOY I TEORETICHESKOY  
FIZIKI//  
--/--/1974, V0066-N0002, pp 0622-0625  
Characteristics of Volume Discharge Excited by  
a  $10^{-5}$  Second Duration Electron Beam 5 pp  
JPRS 63804  
+



Zaroslav, D. Yu.

Plasma Beam CO<sub>2</sub> Laser

7 pp

2 Laser  
 PISMA V ZHURNAL EKSPERIMENT I TEOR. FIZ.,  
 Vol 15, Issue 11, 1972, pp 665-668  
 7 PP  
 STC-HT-23-298-73

FSTC-HT-23-298-73